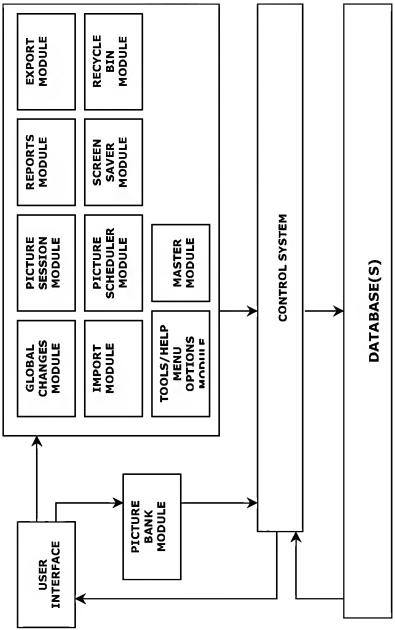

USER INTERFACE
PICTURE BANK MODULE
GLOBAL CHANGES MODULE
IMPORT MODULE
TOOLS/HELP MENU OPTIONS MODULE
PICTURE SESSION MODULE
PICTURE SCHEDULER MODULE
MASTER MODULE
REPORTS MODULE
SCREEN SAVER MODULE
EXPORT MODULE
RECYCLE BIN MODULE
CONTROL SYSTEM
DATABASE(S)

FIG 1

FIG 2

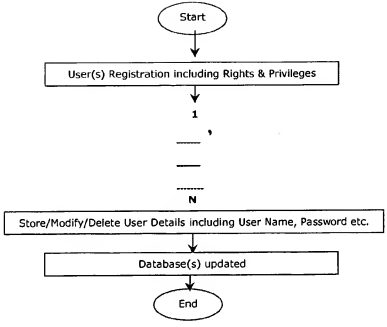

Start
User(s) Registration including Rights & Privileges
1
N
Store/Modify/Delete User Details including User Name, Password etc.
Database(s) updated
End

FIG 3

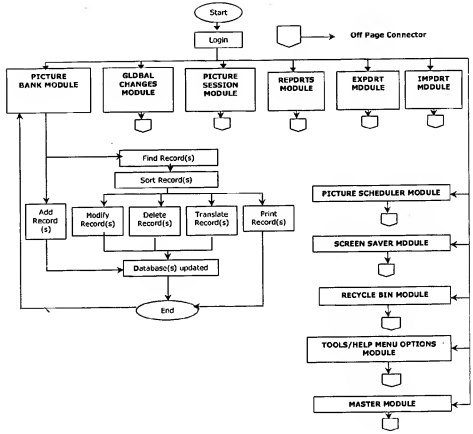

Start
Login
Off Page Connector
PICTURE BANK MODULE
GLOBAL CHANGES MODULE
PICTURE SESSION MODULE
REPORTS MODULE
EXPORT MODULE
IMPORT MODULE
Find Record(s)
Sort Record(s)
Add Record (s)
Modify Record(s)
Delete Record(s)
Translate Record(s)
Print Record(s)
Database(s) updated
End
PICTURE SCHEDULER MODULE
SCREEN SAVER MODULE
RECYCLE BIN MODULE
TOOLS/HELP MENU OPTIONS MODULE
MASTER MODULE

FIG 3 (Continued)

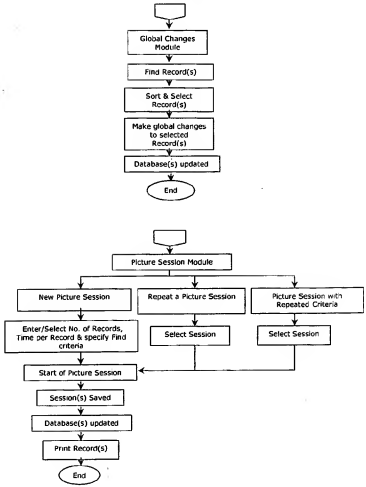


FIG 3 (Continued)

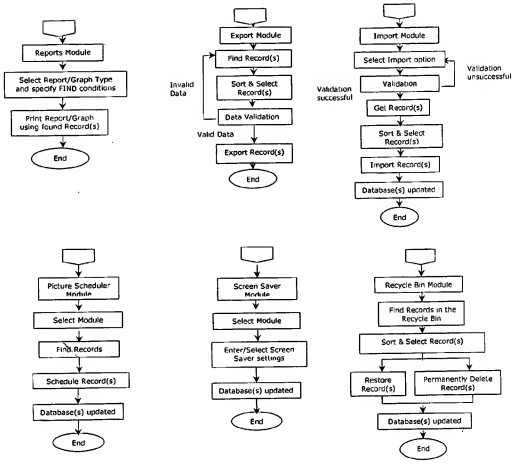


FIG 3 (Continued)

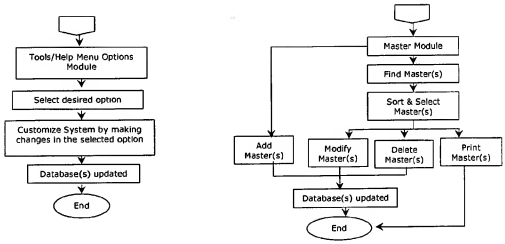


FIG 4

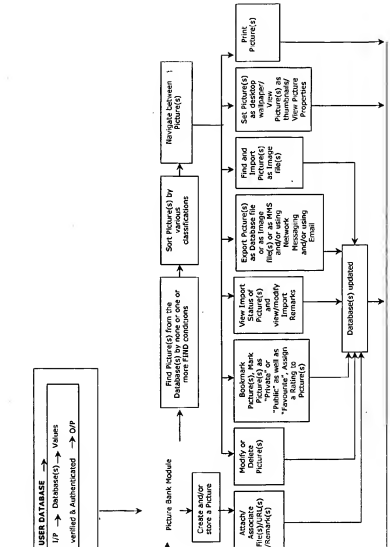

USER DATABASE
I/P → Database(s) → Values
verified & Authenticated → O/P
Picture Bank Module
Create and/or store a Picture
Attach/ Add/Edit/Delete Picture(s)/URL(s) /Remark(s)
Modify or Delete Picture(s)
Bookmark Picture(s) as "Work", "Private" or "Personal", or as "Favourite", Assign a Rank to Picture(s)
Find Picture(s) from the Database(s) by 1 Rule or more FIND conditions
View Import Stored Picture(s) and view externally Import Remote
Export Picture(s) as Image file(s) or as MMS Message using Network Messaging Application, using Email
Database(s) updated
Sort Picture(s) by user-defined classifications
Navigate between Picture(s)
Find and Import Picture(s) as Image file(s)
Set Picture(s) as Display Wallpaper
View Picture(s) as thumbnails/ View Picture Properties
Print Picture(s)

FIG 5

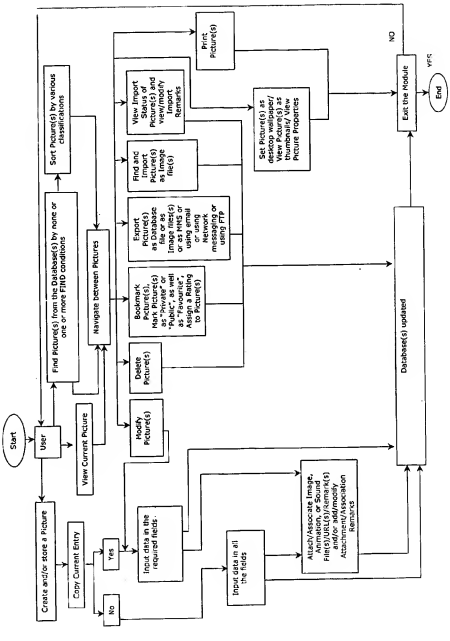
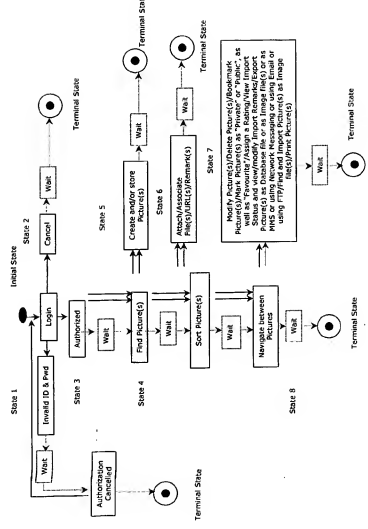

Start
User
Create and/or store a Picture
Copy Current Entry
Yes
No
Input data in the required fields
Input data in all the fields
View Current Picture
Modify Picture(s)
Delete Picture(s)
Navigate between Pictures
Find Picture(s) from the Database(s) by name or one or more FIND conditions
Bookmark Picture(s), Rate Picture(s) as "Favorite" or "Public", as well as Password protect and Assign a Rating to Picture(s)
Export Picture(s) as an image file or as Image file(s) or as email or using email messaging or using FTP
Sort Picture(s) by various classifications
Find and Import Picture(s) as image file(s)
View Import Status of Picture(s) and view/modify Import Issues
Print Picture(s)
Set Picture(s) as desktop wallpaper/ Slide Show(s) / thumbnails/ View Picture Properties
Attach/Associate Image, Audio, Video, Any File(s)/URL(s)/email(s) and/or Modify Attachment/Association Relevance
Database(s) updated
Exit the Module
NO
YES
End

FIG 6


Initial State
State 1
State 2
State 3
State 4
State 5
State 6
State 7
State 8
Wait
Invalid ID & Pwd
Login
Cancel
Authorized
Authorization Cancelled
Find Picture(s)
Create and/or store Picture(s)
Attach/Associate Files(s)/URL(s)/Remark(s)
Sort Picture(s)
Navigate between Pictures
Modify Picture(s)/Delete Picture(s)/Bookmark Picture(s)/View Picture(s) as Thumbnail or Filmstrip as well as *Favourite*/Assign a Rating/View Import Status and View/Modify Import Image Folder/Export Picture(s) as Email Attachment(s) and/or Folder(s)/Export as HMS or using Network Messaging or using Email or using *FTP*/Print Picture(s) to Image File(s)/Print Picture(s)
Terminal State

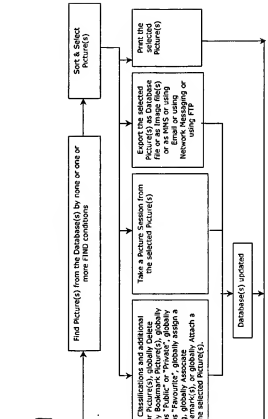

User Request
Global Changes - Modes
Find Picture(s) from the Database(s) by none or one or more FIND conditions
Sort & Select Picture(s)
Globally Modify / Disambiguate and Add/edit information for Picture(s); globally Delete Picture(s), globally Bookmark Picture(s), globally mark Picture(s) as 'Favourite', globally mark Picture(s) as 'Favourite', globally assign a Rating, globally Associate File(s)/URL(s) with Picture(s), globally Attach a File to the selected Picture(s).
Take a Photo/Capture from the selected Picture(s)
Export the selected Picture(s) to Database file or as Image file(s) or as Video or using Email or using Network Messaging or using FTP
Print the selected Picture(s)
Database(s) updated

FIG 7

FIG 8

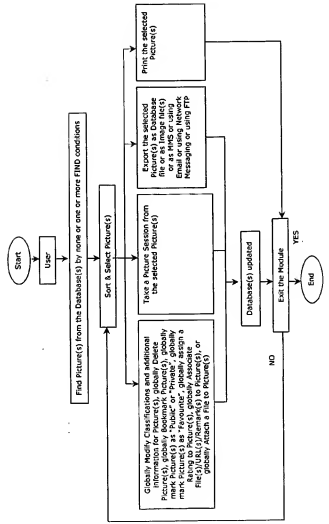
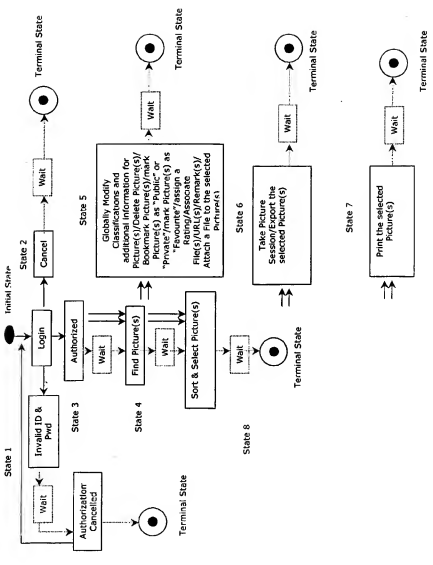

Start
User
Find Picture(s) from the Database(s) by none or one or more FIND conditions
Sort & Select Picture(s)
Globally Modify Classifications and additional information for Picture(s), globally Delete Picture(s), globally Associate Picture(s) to Album(s), globally mark Picture(s) as "Public" or "Private", globally mark Picture(s) as "Favorite", globally assign a Rating to Picture(s), globally Associate File(s)/URL(s)/Remark(s) to Picture(s), or globally Attach a File to Picture(s)
Take a Picture Session from the selected Picture(s)
Export the selected Picture(s) to Desktop or as HTML or using Electronic Image Handling or as HTML or using Electronic Image Handling or using FTP
Print the selected Picture(s)
Database(s) updated
Exit the Module
NO
YES
End

FIG 9


Initial State
State 1
Wait
Invalid ID & Pwd
Authorization Cancelled
Terminal State
Login
State 2
Cancel
Wait
Terminal State
State 3
Authorized
Wait
Find Picture(s)
Wait
Sort & Select Picture(s)
Wait
Terminal State
State 4
State 5
Globally Modify Classifications and Additional Information for Picture(s)/Delete Picture(s)/ Bookmark Picture(s)/mark Picture(s) as "Public" or "Private"/Mark Picture(s) as "Favourite"/assign a Rating/Associate Files(s)/Link(s)/Remark(s)/ Attach a file to the selected Picture(s)
Wait
Terminal State
State 6
Take Picture Session/Export the selected Picture(s)
Wait
Terminal State
State 7
Print the selected Picture(s)
Wait
Terminal State
State 8

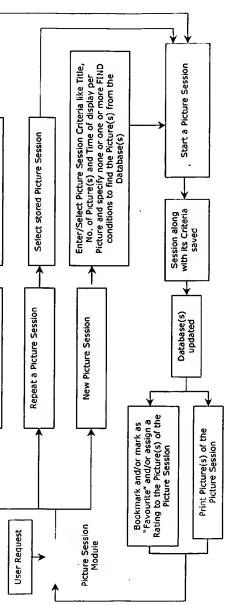

User Request
Picture Session Module
Take a Picture Session with Repeated Criteria
Repeat a Picture Session
New Picture Session
Select stored Picture Session
Select stored Picture Session
Enter/Select Picture Session Criteria like Title, Folder(s) where Picture(s) are stored, Date of Picture and specify none or one or more FIND conditions to find the Picture(s) from the Database(s)
Start a Picture Session
Session along with its Criteria saved
Database(s) updated
Bookmark and/or mark as Favorite and/or assign a Rating to the Picture(s) of the Picture Session
Print Picture(s) of the Picture Session

FIG 10

FIG 11

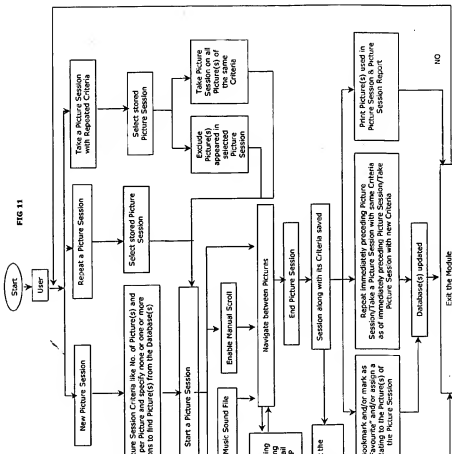

Start
User
New Picture Session
Repeat a Picture Session
Take a Picture Session with Repeated Criteria
Enter/Select Picture Session Criteria like No. of Picture(s) and one or more Picture Session Criteria and/or more Picture Criteria to find Picture(s) from the Database(s)
Select stored Picture Session
Select stored Picture Session
Exclude Picture(s) appeared in Selected Picture Session
Take Picture Session as well Picture(s) of Selected Criteria
Start a Picture Session
Enable Background Music Sound File
Enable Manual Scroll
Navigate between Pictures
Send Picture as well as Picture Session Instant Messaging and/or using Email and/or using IP
End Picture Session
Session along with its Criteria saved
Choose to exit the Module
Bookmark and/or mark as 'Favourite' and/or assign a Rating to the Picture(s) of Last Picture Session
Repeat immediately preceding Picture Session/Take a Picture Session with same Criteria as of immediately preceding Picture Session/Take Picture Session with new Criteria
Print Picture(s) used in Picture Session & Picture Session Report
Database(s) updated
Exit the Module
NO
YES
End

FIG 12

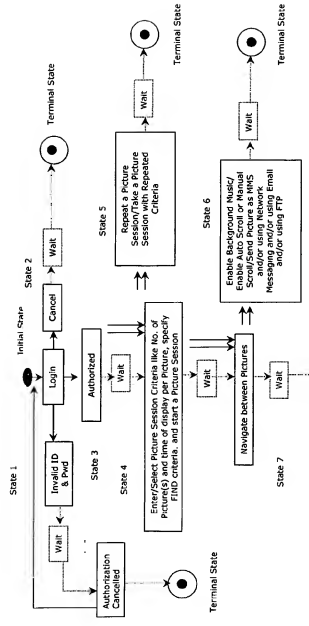

State 1
Initial State
State 2
Terminal State
Wait
Invalid ID & Pwd
Login
Cancel
Wait
Authorization Cancelled
State 3
Authorized
State 5
Repeat a Picture Session/Take a Picture Session with Repeated Criteria
Wait
Terminal State
State 4
Wait
Enter/Select Picture Session Criteria like No. of Picture(s) and time of display per Picture, specify FIND criteria, and start a Picture Session
State 6
Enable Background Music/ Enable Voice Recording / Manual Scroll/Send Picture as MMS and/or using Network Messaging and/or using Email and/or using FTP
Wait
Terminal State
Terminal State
Wait
Navigate between Pictures
State 7
Wait
Terminal State

FIG 13

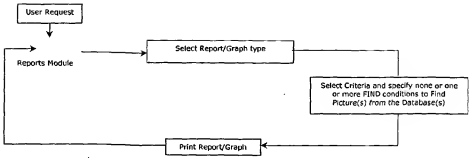

User Request
Reports Module
Select Report/Graph type
Select Criteria and specify none or one or more FIND conditions to Find Picture(s) from the Database(s)
Print Report/Graph

FIG 14

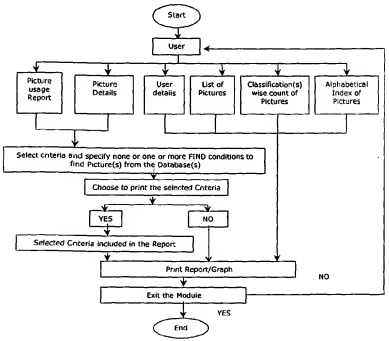

Start
User
Picture usage Report
Picture Details
User details
List of Pictures
Classification(s) wise count of Pictures
Alphabetical Index of Pictures
Select criteria and specify none or one or more FIND conditions to find Picture(s) from the Database(s)
Choose to print the selected Criteria
YES
NO
Selected Criteria included in the Report
Print Report/Graph
NO
Exit the Module
YES
End

FIG 15

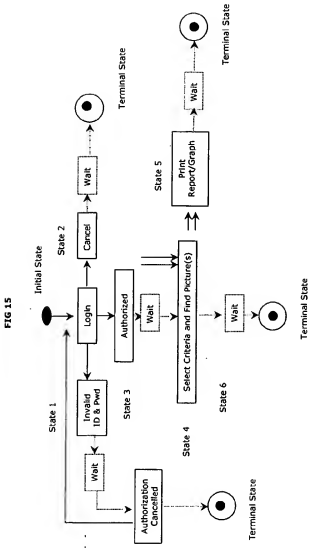

Initial State
State 1
Login
State 2
Cancel
Wait
Terminal State
Invalid ID & Pwd
State 3
Wait
Authorization Cancelled
Terminal State
Authorized
State 4
Wait
Select Criteria and Find Picture(s)
State 5
Print Report/Graph
Wait
Terminal State
State 6
Wait
Terminal State

FIG 16

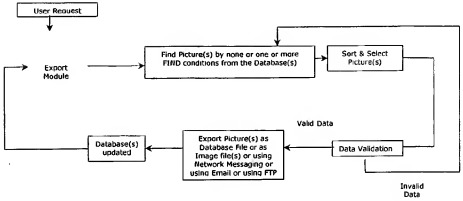

User Request
Export Module
Find Picture(s) by none or one or more FIND conditions from the Database(s)
Sort & Select Picture(s)
Valid Data
Data Validation
Export Picture(s) as Database File or as Image file(s) or using Network Messaging or using Email or using FTP
Database(s) updated
Invalid Data

FIG 17

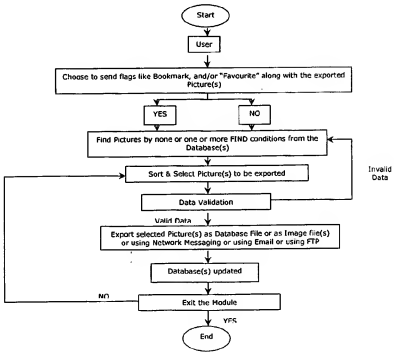

Start
User
Choose to send flags like Bookmark, and/or "Favourite" along with the exported Picture(s)
YES
NO
Find Pictures by none or one or more FIND conditions from the Database(s)
Sort & Select Picture(s) to be exported
Invalid Data
Data Validation
Valid Data
Export selected Picture(s) as Database File or as Image file(s) or using Network Messaging or using Email or using FTP
Database(s) updated
NO
Exit the Module
YES
End

FIG 18

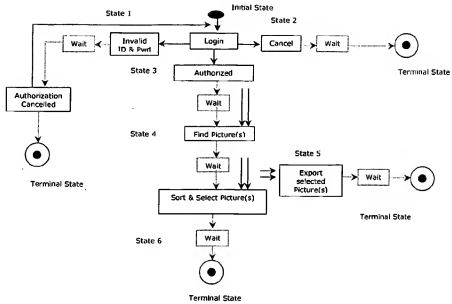

Initial State
State 1
State 2
Wait
Invalid ID & Pwrt
Login
Cancel
Wait
Terminal State
State 3
Authorized
Authorization Canceled
Wait
Terminal State
State 4
Find Picture(s)
State 5
Wait
Export selected Picture(s)
Wait
Terminal State
Sort & Select Picture(s)
State 6
Wait
Terminal State

FIG 19

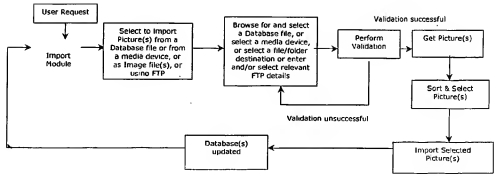

User Request
Import Module
Select to import Picture(s) from a Database file or from a media device, or as Image file(s), or us/no FTP
Browse for and select a Database file, or select a media device, or select a file/folder destination or enter and/or select relevant FTP details
Validation successful
Perform Validation
Get Picture(s)
Sort & Select Picture(s)
Validation unsuccessful
Database(s) updated
Import Selected Picture(s)

FIG 20

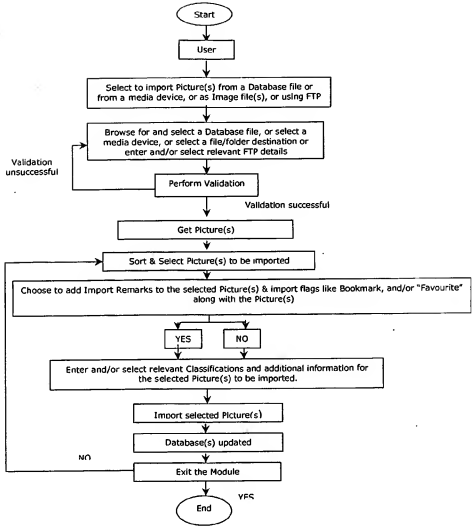

Start
User
Select to import Picture(s) from a Database file or from a media device, or as Image file(s), or using FTP
Browse for and select a Database file, or select a media device, or select a file/folder destination or enter and/or select relevant FTP details
Validation unsuccessful
Perform Validation
Validation successful
Get Picture(s)
Sort & Select Picture(s) to be imported
Choose to add Import Remarks to the selected Picture(s) & import flags like Bookmark, and/or "Favourite" along with the Picture(s)
YES
NO
Enter and/or select relevant Classifications and additional information for the selected Picture(s) to be imported.
Import selected Picture(s)
Database(s) updated
NO
Exit the Module
YES
End

FIG 21

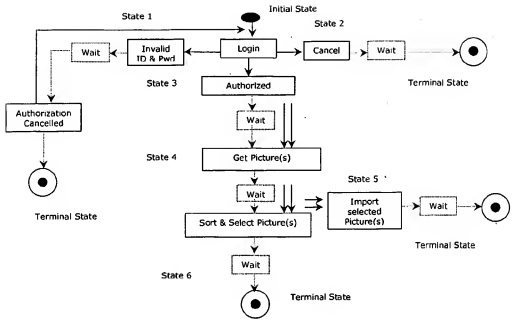

Initial State
State 1
State 2
Wait
Invalid ID & Pwd
Login
Cancel
Wait
Terminal State
State 3
Authorized
Authorization Cancelled
Wait
State 4
Get Picture(s)
State 5
Wait
Import selected Picture(s)
Wait
Terminal State
Terminal State
Sort & Select Picture(s)
Wait
State 6
Terminal State

FIG 22

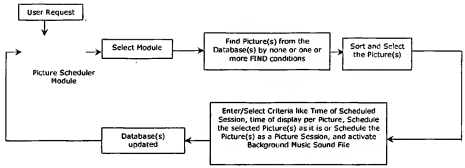

User Request
Select Module
Find Picture(s) from the Database(s) by none or one or more FIND conditions
Sort and Select the Picture(s)
Picture Scheduler Module
Enter/Select Criteria like Time of Scheduled Session, time of display per Picture, Schedule the selected Picture(s) as it is or Schedule the Picture(s) as a Picture Session, and activate Background Music Sound File
Database(s) updated

FIG 23

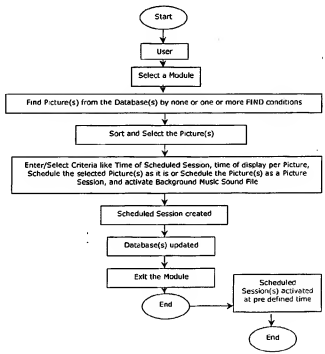

Start
User
Select a Module
Find Picture(s) from the Database(s) by none or one or more FIND conditions
Sort and Select the Picture(s)
Enter/Select Criteria like Time of Scheduled Session, time of display per Picture, Schedule the selected Picture(s) as it is or Schedule the Picture(s) as a Picture Session, and activate Background Music Sound File
Scheduled Session created
Database(s) updated
Exit the Module
End
Scheduled Session(s) activated at pre defined time
End

FIG 24

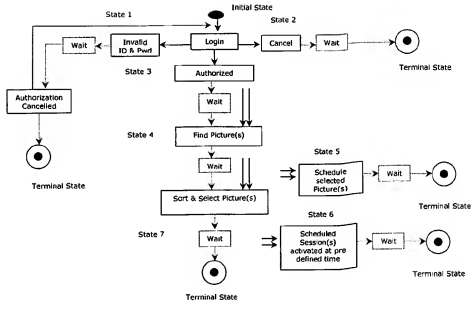

Initial State
State 1
State 2
Wait
Invalid ID & Pwrd
Login
Cancel
Wait
Terminal State
State 3
Authorized
Authorization Cancelled
Wait
State 4
Find Picture(s)
Terminal State
State 5
Wait
Schedule selected Picture(s)
Wait
Terminal State
Sort & Select Picture(s)
State 6
State 7
Wait
Scheduled Session(s) activated at pre defined time
Wait
Terminal State
Terminal State

FIG 25

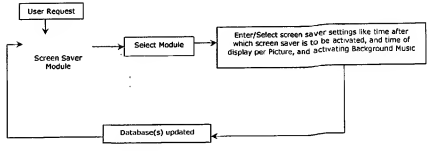

User Request
Screen Saver Module
Select Module
Enter/Select screen saver settings like time after which screen saver is to be activated, and time of display per Picture, and activating Background Music
Database(s) updated

FIG 26

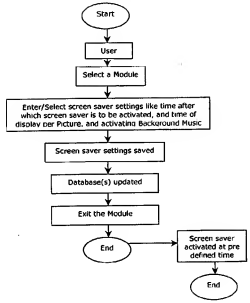

Start
User
Select a Module
Enter/Select screen saver settings like time after which screen saver is to be activated, and type of display per Picture, and activating Background Music
Screen saver settings saved
Database(s) updated
Exit the Module
End
Screen saver activated at pre defined time
End

FIG 27

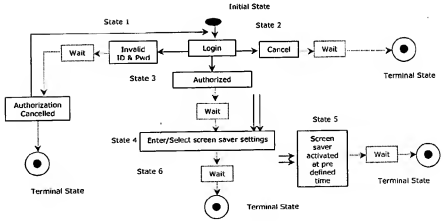

Initial State
State 1
State 2
Wait
Invalid ID & Pwrd
Login
Cancel
Wait
Terminal State
State 3
Authorized
Authorization Cancelled
Wait
State 5
State 4
Enter/Select screen saver settings
Screen saver activated at pre defined time
Wait
Terminal State
State 6
Wait
Terminal State

FIG 28

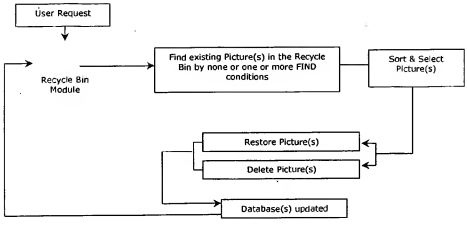

User Request
Recycle Bin Module
Find existing Picture(s) in the Recycle Bin by none or one or more FIND conditions
Sort & Select Picture(s)
Restore Picture(s)
Delete Picture(s)
Database(s) updated

FIG 29

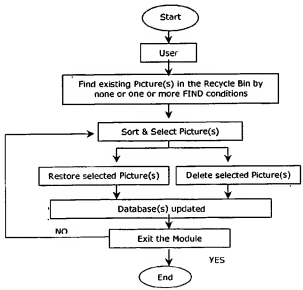

Start
User
Find existing Picture(s) in the Recycle Bin by none or one or more FIND conditions
Sort & Select Picture(s)
Restore selected Picture(s)
Delete selected Picture(s)
Database(s) updated
NO
Exit the Module
YES
End

FIG 30

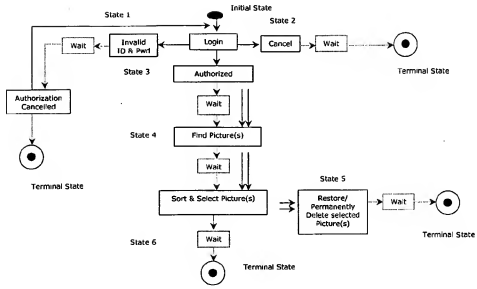

Initial State
State 1
State 2
Wait
Invalid ID & Pwrd
Login
Cancel
Wait
Terminal State
State 3
Authorized
Authorization Cancelled
Wait
State 4
Find Picture(s)
Wait
Terminal State
State 5
Sort & Select Picture(s)
Restore/ Permanently Delete selected Picture(s)
Wait
Terminal State
State 6
Wait
Terminal State

FIG 31

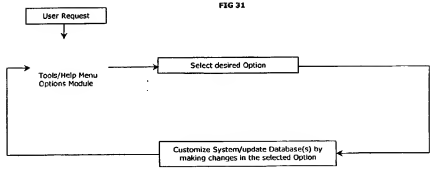

User Request
Tools/Help Menu Options Module
Select desired Option
Customize System/update Database(s) by making changes in the selected Option

FIG 32

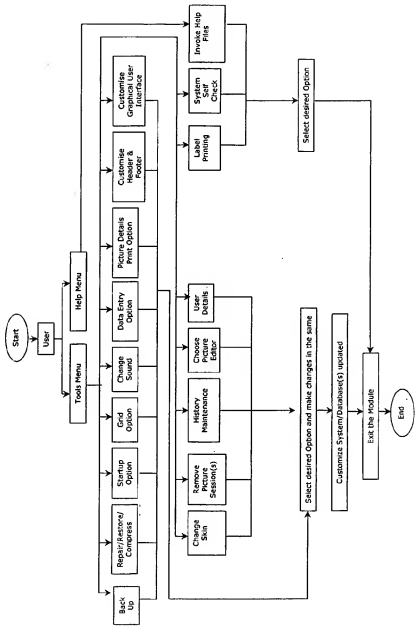

Start
User
Help Menu
Tools Menu
Back Up
Repair/Restore/ Compress
Startup Option
Grid Option
Change Sound
Data Entry Option
Picture Details Print Option
Customise Header & Footer
Customise Graphical User Interface
Change Skin
Remove Picture Session(s)
History Maintenance
Choose Picture Editor
User Details
Label Printing
System Self Check
Invoke Help Files
Select desired Option and make changes to the same
Select desired Option
Customize System/Database(s) updated
Exit the Module
End

FIG 33

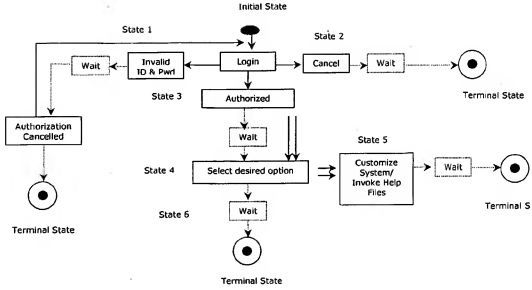

Initial State
State 1
State 2
Wait
Invalid ID & Pwrl
Login
Cancel
Wait
Terminal State
State 3
Authorized
Authorization Cancelled
Wait
State 5
State 4
Select desired option
Customize System/ Invoke Help Files
Wait
Terminal S
State 6
Wait
Terminal State
Terminal State

FIG 34

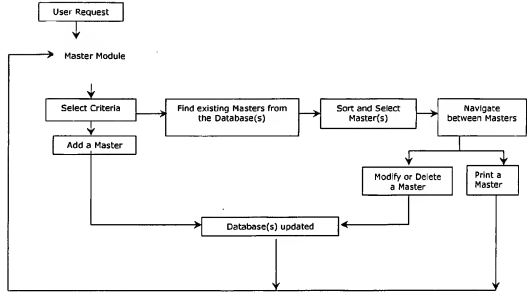

User Request
Master Module
Select Criteria
Find existing Masters from the Database(s)
Sort and Select Master(s)
Navigate between Masters
Add a Master
Modify or Delete a Master
Print a Master
Database(s) updated

FIG 35

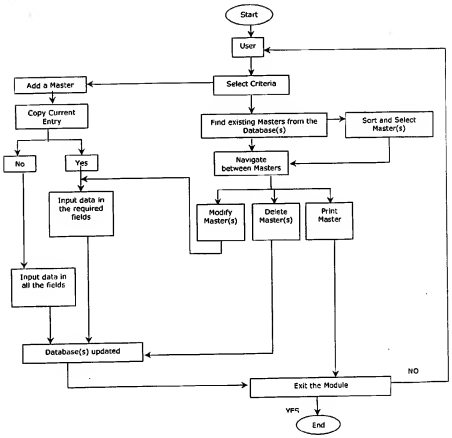
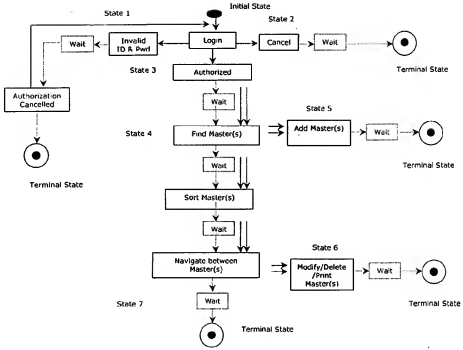

Start
User
Select Criteria
Add a Master
Copy Current Entry
Find existing Masters from the Database(s)
Sort and Select Master(s)
Navigate between Masters
No
Yes
Input data in the required fields
Modify Master(s)
Delete Master(s)
Print Master
Input data in all the fields
Database(s) updated
NO
Exit the Module
YES
End

FIG 36


Initial State
State 1
State 2
Wait
Invalid ID & Pwrl
Login
Cancel
Wait
Terminal State
State 3
Authorized
Authorization Cancelled
Wait
State 5
State 4
Find Master(s)
Add Master(s)
Wait
Terminal State
Wait
Terminal State
Sort Master(s)
Wait
State 6
Navigate between Master(s)
Modify/Delete /print Master(s)
Wait
Terminal State
State 7
Wait
Terminal State